

Title (en)

Method and arrangement for automatic bow adjustment of venetian blind slats

Title (de)

Verfahren und Anlage zur automatischen Krümmungsanpassung von Jalousielamelle

Title (fr)

Procédé et dispositif de réglage automatique de lamelles de stores vénitiens

Publication

**EP 1041237 A1 20001004 (EN)**

Application

**EP 00302767 A 20000331**

Priority

- EP 00302767 A 20000331
- EP 99201013 A 19990402

Abstract (en)

The present invention relates to a method for automatic bow adjustment for a venetian blind assembly machine, said bow adjustment station comprising rollers (48; 104, 106) for guiding, bending and levelling a strip material (43; 112), and further comprising a forming section (36; 102) where mating concave and convex upper and lower form rollers (50; 108, 110) are arranged for creating a transverse curvature in the strip material, further comprises the steps of: providing levelling through means for offsetting (34; 100, 102) in order to straighten the bow of the strip material (43; 112) within a predetermined deviation on a predetermined length of strip material; measuring the deviation through optical means (146) providing a deviation signal; and adjusting the levelling by said means for offsetting (34; 100) through the deviation signal, if said measured deviation exceeds a predetermined deviation, in order to keep the deviation within said predetermined deviation. In addition, the present invention also relates to an arrangement for automatic bow adjustment for a venetian blind assembly machine. An advantage over prior art is that the bow adjustment is better controlled, the adjustments can be done with an increasing rapidity and a decreased wastage of strip material is obtained. <IMAGE>

IPC 1-7

**E06B 9/266**

IPC 8 full level

**E06B 9/266** (2006.01)

CPC (source: EP US)

**E06B 9/266** (2013.01 - EP US); **Y10T 29/39** (2015.01 - EP US); **Y10T 29/53061** (2015.01 - EP US)

Citation (search report)

[A] EP 0674092 A1 19950927 - HUNTER DOUGLAS IND BV [NL]

Designated contracting state (EPC)

DE DK FR GB IT NL

DOCDB simple family (publication)

**EP 1041237 A1 20001004; EP 1041237 B1 20040929**; AU 2418700 A 20001005; AU 757340 B2 20030220; CA 2303665 A1 20001002; DE 60014220 D1 20041104; DE 60014220 T2 20051013; DK 1041237 T3 20050124; US 2002104348 A1 20020808; US 6393884 B1 20020528; US 6637086 B2 20031028

DOCDB simple family (application)

**EP 00302767 A 20000331**; AU 2418700 A 20000330; CA 2303665 A 20000403; DE 60014220 T 20000331; DK 00302767 T 20000331; US 10945402 A 20020327; US 54125800 A 20000403